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SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.

ADDRESS  
2105 Channel Ave.  
Memphis, TN 38113 USA

EMERGENCY TELEPHONE #1  
901-775-0100

EMERGENCY CONTACT  
W.M. Barr Technical Services

EMERGENCY INFORMATION

See Section 5 for additional Emergency Information

INVENTORY ITEM #  
1683

CHEMICAL FORMULA  
1683

PRODUCT NAME  
GUM SPIRITS OF TURPENTINE

REVISED BY  
W.M. Barr Technical Services

REVISION DATE  
7/20/1992

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CARCINOGENICITY

SUBSTANCE DESCRIPTION

PERCENT

CAS#

NTP ACGIH OSHA IARC

TURPENTINE

95-100

8006-64-2

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION

REG. AGENCY U/M

TWA

STEL

CELL

SKIN

PEL

TURPENTINE

ACGIH  
OSHA

PPM  
PPM

100.00  
100.00

N/E  
N/E

N/E  
N/E

N/E  
N/E

N  
N

N  
N

N  
N

N  
N

N  
N

N  
N

N  
N

N  
N

N  
N

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals known to the State to Cause Cancer or Reproductive Toxicity."

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains no chemicals subject to the reporting requirements of SARA III: Section 313.

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

\*\*\*\*\*  
The following effects and/or symptoms are not expected to be

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SECTION 3. REGULATORY INFORMATION  
(CONTINUED)

experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

May cause dizziness, headache, watering of eyes, irritation of respiratory tract, nausea, depression of central nervous system, and serious irritation to kidneys. Severe overexposure may cause unconsciousness.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

None known.

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant.

INGESTION ACUTE EXPOSURE EFFECTS

Harmful or fatal if swallowed. May cause nausea, vomiting, gastro-intestinal irritation, and diarrhea.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. May cause headache, anorexia, anxiety, skin irritation, excitement, tremors, permanent central nervous system changes, mental confusion, convulsions, coma, and death.

MEDICAL CONDITIONS AGGRAVATED

None known.

PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT

Wash with soap and water.

EYE CONTACT

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

INGESTION

DO NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.

NOTE TO PHYSICIAN

This formula is registered with POISINDEX. Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE

HMIS

NFPA

HEALTH

2

1

FLAMMABILITY

3

3

REACTIVITY

0

0

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SECTION 6. FIRE FIGHTING MEASURES  
(CONTINUED)

OTHER G NA

FLASH METHOD  
Seta

FLASH POINT 34.44 C  
94.00 F

LOWER EXPLOSION LIMIT  
0.82

GENERAL COMMENTS  
OSHA FLAMMABILITY: Class IC

EXTINGUISHING METHOD  
Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS  
DANGER! FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME, AND ALL OTHER SOURCES OF IGNITION. Do not smoke.  
Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal regulations.

SECTION 8. HANDLING AND STORAGE

STORAGE

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

HANDLING

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

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SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION  
For D.O.T. information, contact W.M. Barr Technical Services  
Department.

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

Use only with adequate ventilation to prevent build-up of vapors.  
Open all windows and doors. Use only with a cross ventilation of  
moving fresh air across the work area. If strong odor is noticed or  
you experience slight dizziness, headache, nausea, or eye-watering -  
STOP - ventilation is inadequate. Leave area immediately.

RESPIRATORY PROTECTION

For OSHA controlled work place and other regular users - Use only  
with adequate ventilation under engineered air control systems  
designed to prevent exceeding appropriate TLV. For occasional use,  
where engineered air control is not feasible, use properly main-  
tained and properly fitted NIOSH approved respirator for organic  
solvent vapors. A dust mask does not provide protection against  
vapors.

SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be  
discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended  
to safeguard against potential eye contact, irritation, or injury.  
Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION

Various application methods can dictate use of additional protective  
safety equipment, such as impermeable aprons, etc., to minimize  
exposure. A source of clean water should be available in the work  
area for flushing eyes and skin. Do not eat, drink, or smoke in the  
work area. Wash hands thoroughly after use. Before reuse, has been  
thoroughly clean any clothing or protective equipment that has been  
contaminated by prior use. Discard any clothing or other  
protective equipment that cannot be decontaminated, such as gloves  
or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %  
100.000

by weight

BOILING POINT 153.88 C BOILING RANGE: 309 F - 338 F  
GF 309.00 F

VAPOR DENSITY (AIR = 1.0)  
Heavier than air

EVAPORATION RATE  
Slower than ether

BULK DENSITY 7.189  
lbs/gal at 75 F

PH FACTOR N/E

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
(CONTINUED)

PHOTOCHEMICALLY REACTIVE  
YES

MAX V.O.C.  
862 grams per liter (excluding exempt solvents & water)

MAX VAPOR PRESSURE  
(of the V.O.C.) 4mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES  
Incompatible with strong oxidizing agents.

DECOMPOSITION  
Decomposition may produce carbon monoxide and carbon dioxide.

POLYMERIZATION  
Will not occur.

STABILITY  
Stable.

SECTION 13. ADDITIONAL INFORMATION

**IMPORTANT NOTE**  
The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:  
PPM = parts per million  
MG/M3 = milligrams per cubic meter  
N/E or NE = none established  
GT = greater than  
N/A or NA = not applicable  
TCC = tag closed cup  
TOC = tag open cup  
PMCC = Pensky-Martens closed cup  
IDLH = Immediately Dangerous to Life and Health

\*\*\*END OF MSDS\*\*\*